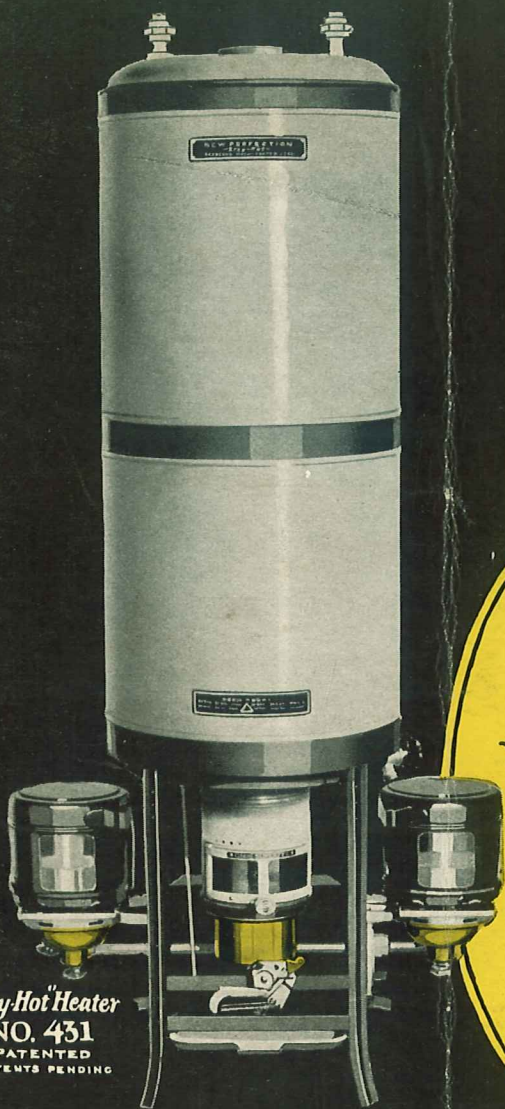




"Stay-Hot" Heater
NO. 431
PATENTED
PATENTS PENDING

Running
**HOT
WATER**
*For the
Millions of Homes*
**WITHOUT
GAS**

The New Line of
NEW PERFECTION
Kerosene Water Heaters

11

Running
HOT WATER
for the millions of homes
WITHOUT
GAS



The Cleveland Metal Products Co.
FACTORIES AND GENERAL OFFICES
CLEVELAND, OHIO, U. S. A.

BRANCHES

CHICAGO—ST. PAUL—KANSAS CITY—DALLAS—OAKLAND—CLEVELAND

Additional Warehouses

Detroit—St. Louis—Omaha—Houston—San Antonio—Portland—Los Angeles—Honolulu, T. H.

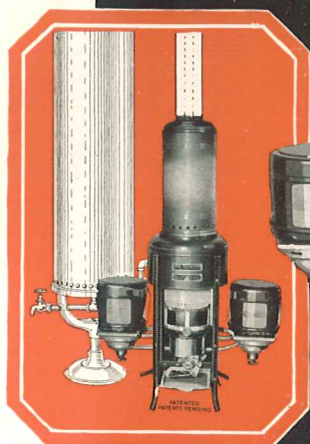
DISTRIBUTORS' HEADQUARTERS

New York City—Philadelphia—Newark—Baltimore—Louisville—New Orleans

Additional Warehouses

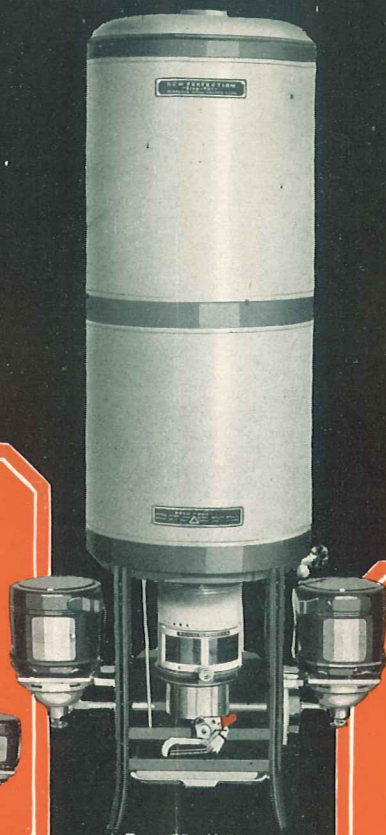
Stocks Carried in Principal Cities Throughout the Field

Representatives in all Foreign Countries



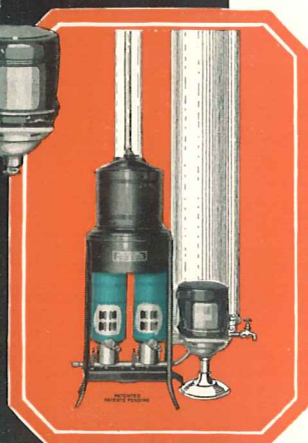
*Side Arm Heater
No. 421*

Patented, Patent Pending



*"Stay-Hot" Heater
No. 431*

Patented, Patent Pending



*Side Arm Heater
No. 412*

Patented, Patent Pending

Pictured above is the complete new line of New Perfection Kerosene Burning Water Heaters which equals the gas heater in satisfaction, dependability and operating economy.

The features of each model are fully pictured and described in the following pages.

The Complete New Line of
NEW PERFECTION
Kerosene Water Heaters

The Water Heater

You Have Always Wanted

Equal to the gas heater in satisfaction, dependability and operating economy. For the home, summer cottage, small hotel, barber shop or office, WITHOUT GAS.

NEVER before has it been possible to obtain an abundant supply of running hot water in homes without gas, with the speed, convenience and economy now provided by this complete new line of New Perfection Kerosene-Burning Water Heaters.

No modern household appliance can save as much time and drudgery and add so many comforts which will be enjoyed by the whole family as a good reliable water heater.

More than any other household convenience, hot water is needed in the home—every day in the year, almost every hour in the day. Yet there are millions of women today who, like their grandmothers, endure the drudgery of out-of-date methods and the discomfort of sweltering kitchens in the summer to secure just enough hot water for their daily tasks.

The price they have been paying in hard work, inconvenience, discomfort and money, for a *little* hot water, is more than you now need to pay for an *abundant*, ever ready supply quickly and economically heated in a New Perfection Kerosene Water Heater.

Light any one of these new heaters. In five minutes you have hot water for washing or shaving. In ten minutes the dishwater is ready, steaming hot. In half an hour there's enough for a bath. No long waiting and heavy lifting on wash-day. No fires to build when you want a bath, no ashes to be carried out. Such convenience and quick heating have never before been offered in any kerosene water heater.



*In 5 minutes — hot water
to start the day*



In 10 Minutes

the dish water is ready, steaming hot

Thermostatic Shut-Off

BUT the convenience of a New Perfection Heater doesn't end there. Two of the models (pages 5 and 14) provide a remarkable and exclusive new feature in kerosene water heaters — **thermostatic shut-off**. You light the burner and forget it. When the tank is **full** of hot water the thermostat automatically turns out the flame.

No need to run down-stairs when you **think** the water is hot—the thermostat **acts** for you. And in addition to this great convenience the thermostatic shut-off is a real saver of fuel.

"Stay Hot" Tank

And, in addition to this convenience, "Stay-Hot" Heater No. 431 is provided with a special double wall insulated tank which keeps the water hot for hours after the thermostat has automatically turned out the flame. Like a Giant Thermos Bottle, it keeps the water at bath temperature or above for 36 hours.

Quick to heat, it cuts down the cost of every tank-full of hot water. Slow to cool, it provides hot water during many hours when no fuel at all is being used.

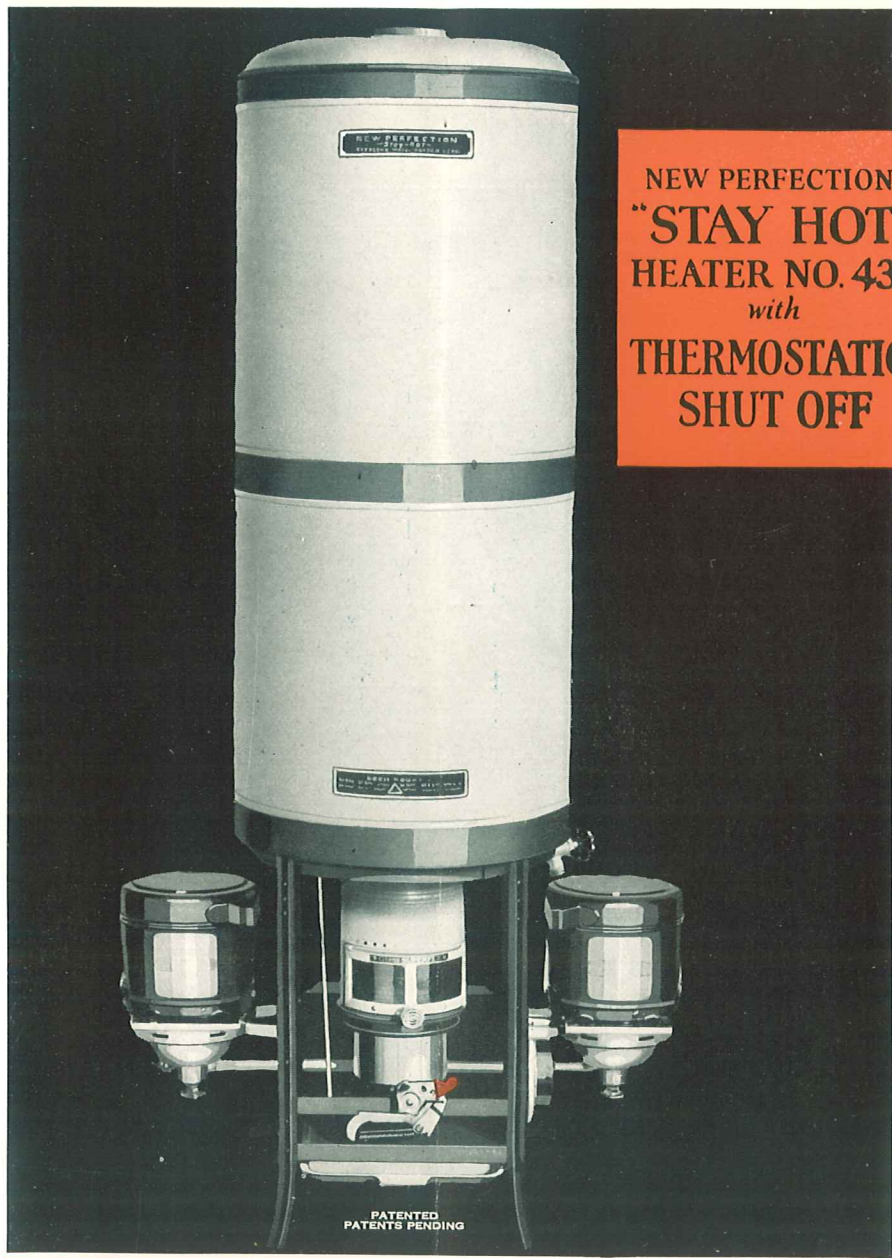
World Famous Burners

The burners are the very latest New Perfection achievement — backed by the approval of more than four and a half million women who today use New Perfection oil cook stoves or ranges, because of their cleanliness and dependability.

Yet all these comforts and conveniences, which are made available to the millions of homes **without gas**, for the first time, by the New Perfection Kerosene Water Heater, cost but a few cents a day. Can you really afford to be without one?



*In half an hour —
an abundance of hot water for a bath*



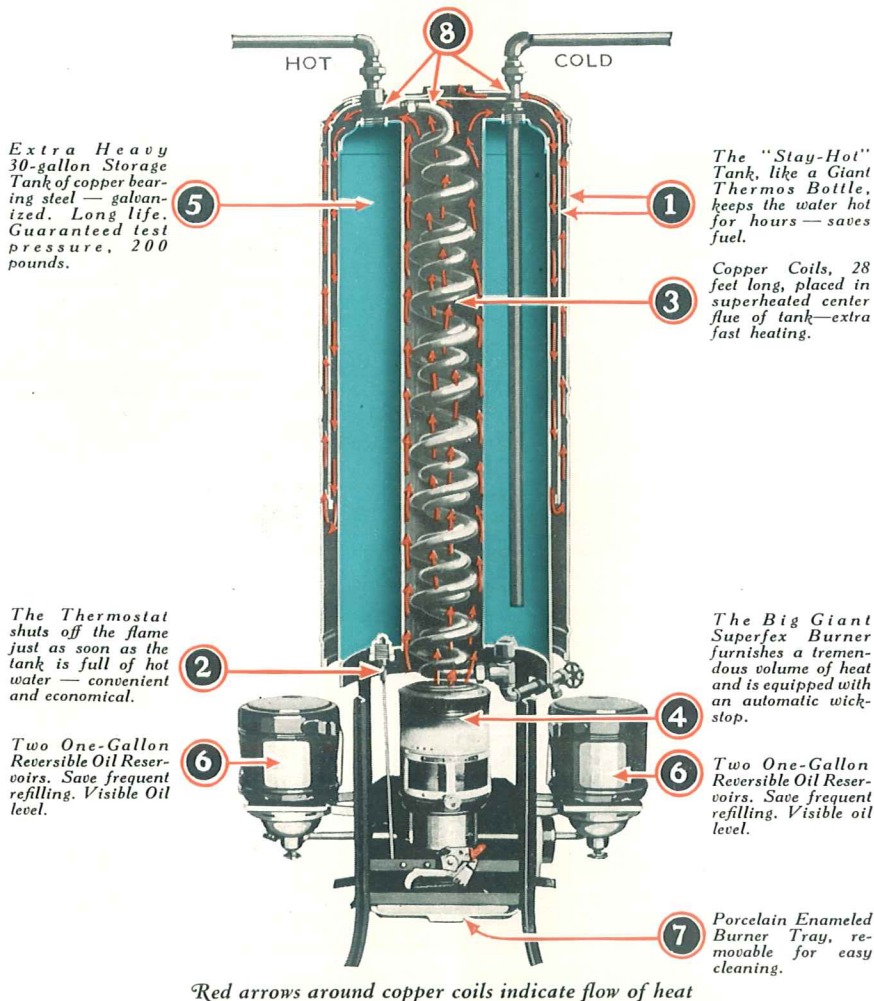
NEW PERFECTION
"STAY HOT"
 HEATER NO. 431
with
**THERMOSTATIC
 SHUT OFF**

Keeps Water Hot 36 Hours
— acts like a giant thermos bottle

BUILT for those who want the finest kerosene burning water heater that can be obtained. Equipped with the Big Giant Superfex Burner, Thermostatic Shut-Off and 30-gallon "Stay-Hot" Storage Tank, it combines heater and storage tank in one complete outfit which is easily connected to a water supply system, at very little cost.

The Outstanding Advantages of Heater No. 431

A Complete, Self-Contained Outfit—Simplified Piping—no separate storage tank required.



Red arrows around copper coils indicate flow of heat

THE material and workmanship in this super-quality heater are the best that money can buy. It is complete in every way and so efficient and economical that its service rivals that of the best gas heater the market affords. Compact in design and attractively finished in gray and black enamel, with japanned standard. It is the most economical kerosene burning water-heater in the world.

For weights, dimensions, etc., of Heater No. 431 see page 24

The Giant Superfex Burner

A Revolutionizing Invention

Its speed and dependability made possible this great new kerosene water heater achievement.

MOST important of all kerosene water heater features is a quick, clean, dependable and economical burner. For this purpose the Giant Superfex Burner is ideal. Invented less than three years ago, it is the first and only hot-as-gas oil stove burner made.

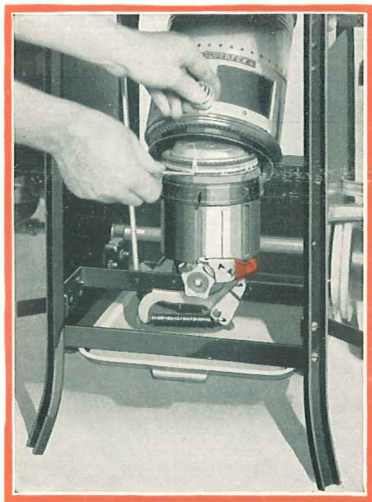
It is quick lighting, giving full heat almost instantly; clean burning, steady and as simply regulated as a gas burner. In the short time since its spectacular introduction the Giant Superfex Burner has proved a tremendous success on more than 100,000 of our highest quality New Perfection Oil Ranges.



The hot-as-gas white tipped flame of this Giant Superfex Burner operates without smoke or odor.

As Simple to Handle as Gas

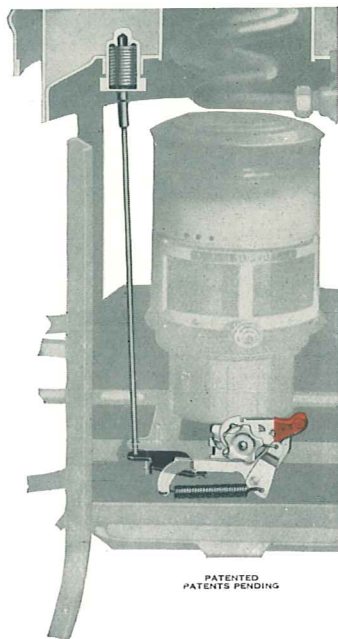
The chimney of the Giant Superfex Burner tilts for lighting—a convenience every one will appreciate. The heat is regulated by a handwheel exactly as you would regulate a gas flame.



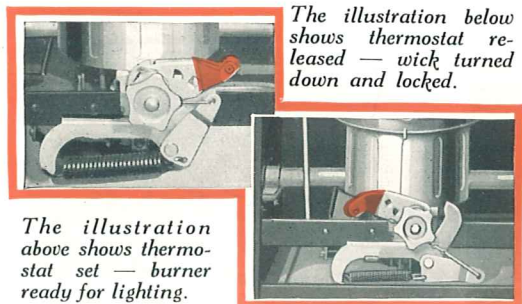
Thermostatic Shut Off Means "Light it and Forget it"

A THERMOSTAT, located in the bottom of the "Stay-Hot" storage tank, automatically **turns down** the wick and extinguishes the flame when the tank is full of hot water. Its action is simple, positive and effective. The flame goes out without smoke or odor.

No need to watch the heater—no worry about shutting it off before the water gets too hot. The thermostat is always "on guard," ready the instant the tank is heated, to shut off the burner and save your fuel.



Placing the thermostat in the bottom of the tank of Heater No. 431 insures a tank FULL of hot water before the flame is turned out.



The illustration above shows thermostat set — burner ready for lighting.

The illustration below shows thermostat released — wick turned down and locked.

YOU cannot forget to set the thermostat when lighting the heater. A safety catch is provided which makes it impossible to turn the wick up for lighting until the little red handle is turned to the right. This puts the thermostat "on guard" to prevent waste of fuel when the water in the tank is fully heated.

Why the "Stay Hot" Tank Acts Like a Giant Thermos Bottle

THE two insulating walls of "Stay-Hot" Heater No. 431 fit like hoods over the extra heavy 30-gallon storage tank. The intense heat which envelops the copper coils is forced down around the outer wall of the storage tank inside the inner hood and then up again, between the two insulating walls, to the chimney flue.

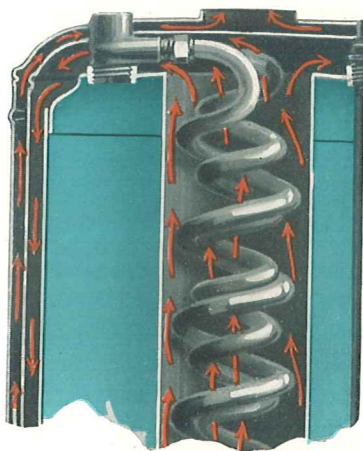
This means that the heat produced by the powerful Giant Superfex Burner is actually used not once but three times:

- First* When applied directly to the heating coils and the inner wall of the tank.
- Second* When it warms the outer wall of the storage tank.
- Third* When it becomes an insulating blanket between the two outer walls, preventing radiation from within.

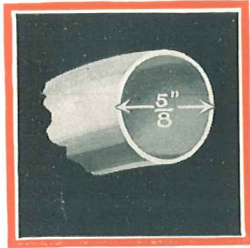
It is this triple application of the heat that makes the New Perfection Heater No. 431 the most economical kerosene water heater the market affords.

In addition to this economy in heating, these double walls trap the heat around the tank after the burner is turned out, keeping the water hot for many hours when no fuel at all is being used. See "Stay-Hot" tests on pages 12 and 13.

Double wall insulation around the storage tank on "Stay-Hot" Heater No. 431 speeds up heating and retards cooling.



Copper Coils Heat Quickly



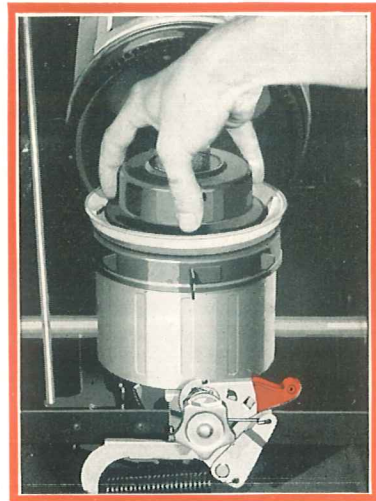
THE illustration shows an actual size cross section of the copper coils used in this heater (Model No. 431), which is 28 feet in length. The large size opening gives free circulation of the water, and the strength of the wall insures durability far greater than that of the ordinary coil. The powerful heat from the Giant Superfex Burners is quickly absorbed into the water by these exceptionally efficient copper coils.

These coils are connected at top and bottom of tank by means of solderless union nuts and special cast brass fittings.

Wicks are Easily Cleaned

CLEANING the wick is reduced to a "twist of the wrist" by a special wick cleaner furnished with this heater. No mess, dirt or bother. Your hands never touch the wick except when inserting a new one.

This wick cleaner is also standard equipment on our fast-as-gas Superfex Oil Ranges, and all users are delighted with it. It saves time and cleans the wick perfectly.



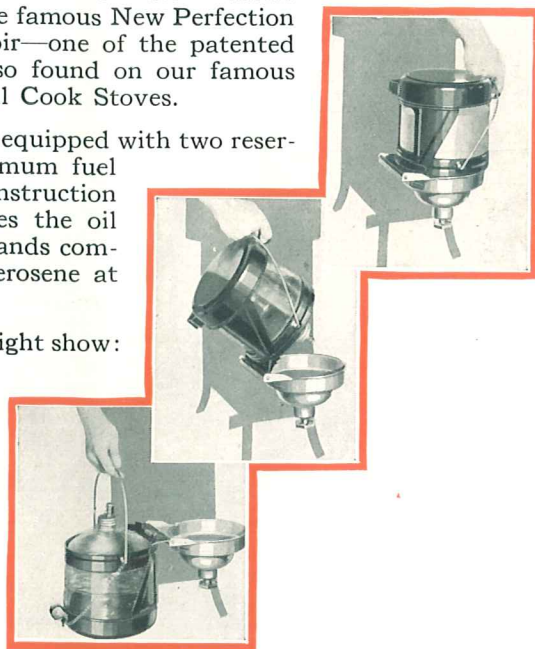
Two Reversible Oil Reservoirs

THE New Perfection Kerosene Water Heaters are equipped with the famous New Perfection reversible oil reservoir—one of the patented and exclusive features also found on our famous line of New Perfection Oil Cook Stoves.

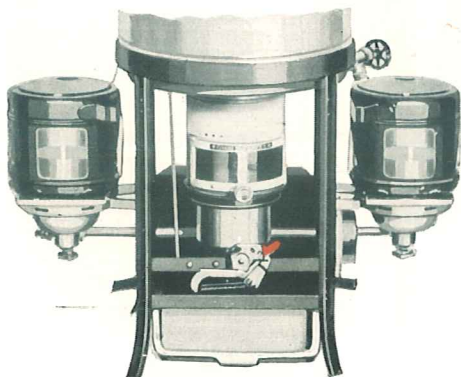
Models 431 and 421 are equipped with two reservoirs each, insuring maximum fuel capacity. The patented construction of these reservoirs handles the oil perfectly—no chance of hands coming in contact with the kerosene at any time.

The illustrations at the right show: (1st) The reservoir and carriage in place; (2nd) The carriage being reversed, and (3rd) The reservoir being removed from the carriage by its bail, for refilling.

The whole arrangement is simple and convenient, with nothing to get out of order.



Burner Tray an Advantage

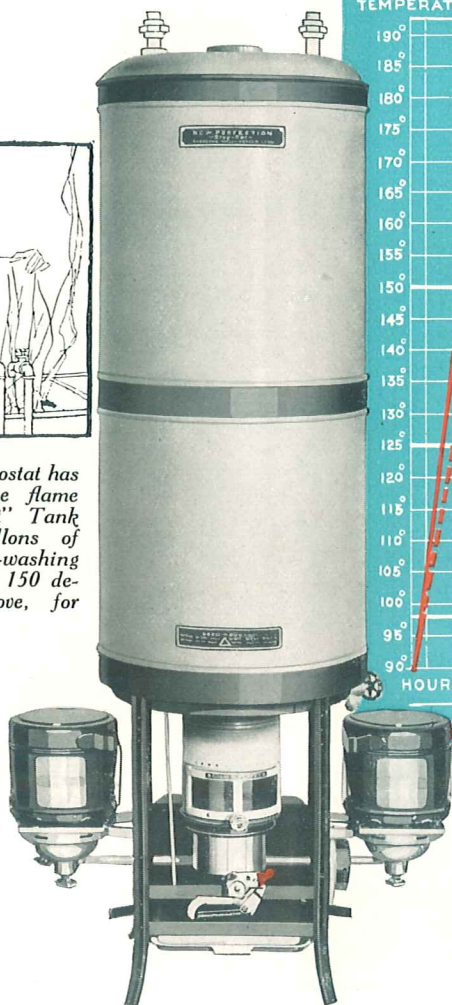


THE removable, quickly-cleaned porcelain-enameled burner tray is an extra feature that the tidy housewife appreciates. New Perfection kerosene water heaters may be installed in the kitchen or bathroom for the handy tray protects floor covering.

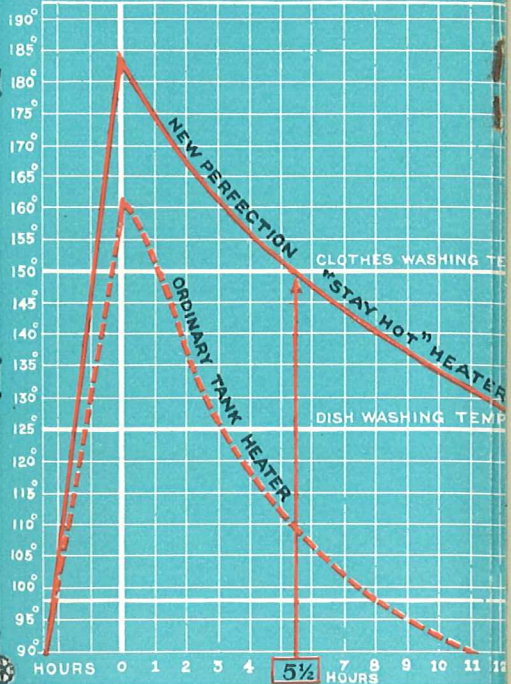
Tests Show Economy and Efficiency



After the thermostat has turned out the flame this "Stay-Hot" Tank keeps 30 gallons of water at clothes-washing temperature of 150 degrees, or above, for 5½ hours.



TEMPERATURE OF WATER



13½ hours after the thermostat has turned out the flame the water in the "Stay-Hot" Tank is still at dish-washing temperature of 125 degrees or above.

THE
sho
the
lon tan

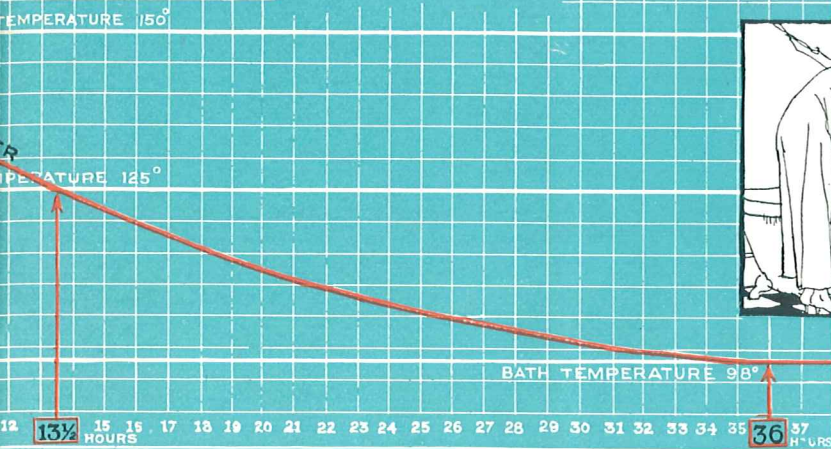
Repea
tank
hours, v
of 184
turned c

iciency of "STAY-HOT" Heater

NEW PERFECTION "STAY-HOT" HEATER NO. 431

COMPARED WITH ORDINARY
TANK HEATER

BOTH MODELS WERE HEATED
FOR 2½ HOURS AND THE BURN-
ERS THEN TURNED OUT



Thirty-six hours
after the thermo-
stat has turned
out the flame you
can take a bath
in water from
"Stay-Hot"
heater No. 431,
at a temperature
of 98 degrees or
above.

THE story told by the chart above is amazing, to say the least. It shows that "Stay-Hot" Heater No. 431 will keep water hot, *after the flame is turned out*, five times as long as an ordinary 30-gal-

Heated tests of the "Stay-Hot" Tank and an ordinary 30-gallon have been made—in the same room, at the same time. In 2½ degrees — in the other tank 162 degrees. Both burners were then out.

The following table graphically demonstrates the superior convenience and economy of "STAY-HOT" Heater No. 431

Water Remained at Temperature of	In New Perfection "Stay-Hot" Heater No. 431	In Ordinary Tank Heater
150° (clothes-washing temp.) or above	for 5½ hours	for 1 hour
125° (dish-washing temp.) or above	for 13½ hours	for 3 hours
98° (bath temp.) or above	for 36 hours	for 8 hours

NEW PERFECTION
SIDE ARM
HEATER NO. 421
with
THERMOSTATIC
SHUT OFF



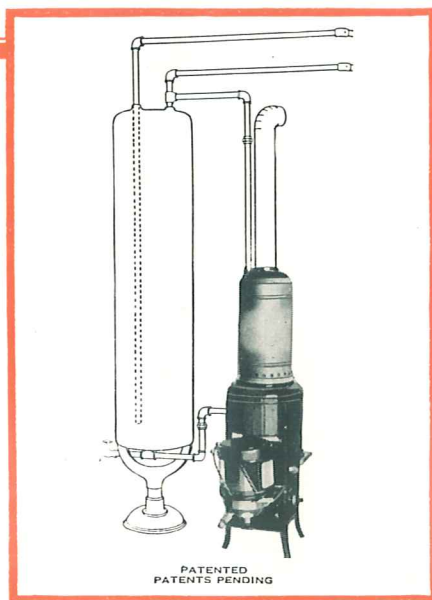
HERE are all the conveniences of Heater No. 431 with the exception of the "Stay-Hot" Tank. Built for use with the ordinary 30-gallon storage tank. Equipped with thermostatic shut-off, Giant Superfex Burner and copper coils.

Water Heating Service that Rivals Gas

with New Perfection Heater No. 421

IT COMBINES the highest quality of material and workmanship characteristic to Heater No. 431; the heating speed of the Giant Superfex Burner; the economy and convenience of thermostatic shut-off, in a type of heater that attaches to the ordinary storage tank.

To those who already have a hot water storage tank, or who prefer the separate tank outfit because of its lower cost, this model offers greater service and satisfaction than any other kerosene water heater obtainable. It can be installed without disturbing existing tank, range or furnace connections.



*New Perfection Side Arm Heater
No. 421, attached to storage tank.
The tank is extra.*

Remarkable New Features in Heater No. 421

Double insulating jacket around coils — holds the heat — saves fuel.

4

Triple copper coil connected direct to header in three places. $\frac{1}{2}$ inch, 20 gauge tubing, 42 feet long. Will not clog.

2

The Thermostat shuts off the flame just as soon as the tank is full of hot water — convenient and economical.

1

Entire Heater supported by substantial frame, eliminating strain on piping or tank.

8

Coils supported on heavy vitreous enameled standard. Prevents damage to coils in transit and installing.

7

Heavy cast bronze header with special heat collecting fins. Heats water quickly.

3

The Big Giant Super-fex Burner furnishes a tremendous volume of heat and is equipped with an automatic wick-stop.

5

Two one-gallon oil reservoirs — save frequent refilling. Visible oil level.

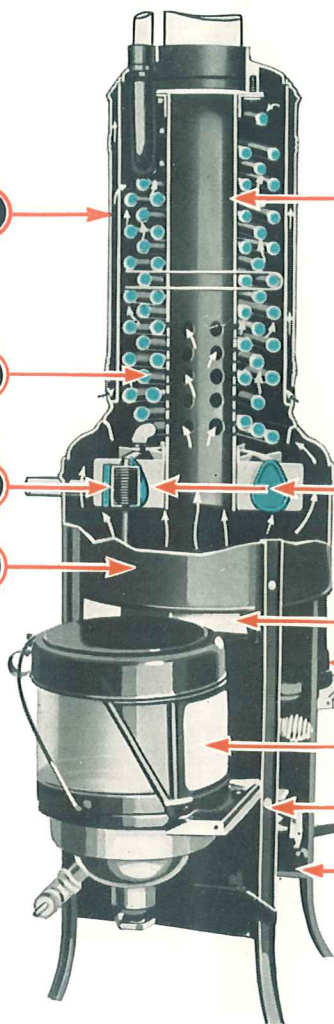
6

Strong, rigid legs, adjustable to variations in piping. Saves time when installing.

9

Porcelain enameled burner tray, removable for easy cleaning.

10



White arrows indicate flow of heat.

THESE are some of the advantages of the world's finest and fastest **kerosene-burning** water heater in a type that can be attached to the ordinary thirty gallon storage tank.

Attractive and compact. Finished in two-tone gray porcelain enamel with black japanned standard.

For Weights, dimensions, etc. of Heater No. 421 see page 24.

The Finest Equipment Obtainable

KEEPING in mind the great number of homes which already have hot water storage tanks and the thousands more where the separate tanks will be preferred because of lower cost, Heater No. 421 has been developed.

With the exception of the "Stay-Hot" Tank it possesses all the new advantages and conveniences which make Stay-Hot Heater No. 431 the greatest water heater achievement ever offered to homes without gas.

Thermostatic Shut-Off

The thermostat is located in the large header at the bottom of the copper coils. Its position near the cold water inlet from the tank insures a tank *full* of hot water before the thermostat automatically turns out the flame.

Copper Coils

The triple copper heating coil is of the same high quality and design as will be found in the most expensive gas water heaters. Fittings and connections are of equal quality and serviceability.

Giant Superfex Burner

The "Big Giant" oil burner has made possible this great new water heater achievement. It has already proved a tremendous success on more than 100,000 of our highest quality New Perfection Ranges.

Wick Cleaners

Each No. 421 Heater is provided with a special wick cleaner, which reduces the care of the wick to a simple "twist of the wrist." Your hands never touch the wick except when inserting a new one.

Two Oil Reservoirs

The use of two one gallon reservoirs cuts in half the work of refilling the heater. One reservoir is always emptied before the other starts to feed. The exclusive patented reversible feature makes it unnecessary to soil the hands when refilling.

Removable Burner Tray

A feature the housewife will instantly appreciate. The tray is porcelain enameled, removable for quick cleaning.

**NEW PERFECTION
SIDE ARM
HEATER NO. 412**

with

**EXTRA FAST
BLUE CHIMNEY
BURNERS**



COMPACT and neat in appearance, this heater provides New Perfection dependability and satisfaction. It has no equal in the popular priced field. Heats water as quickly as heater No. 421, best results being obtained with the ordinary 30 gallon tank.

A Big Value, Popular Priced Heater

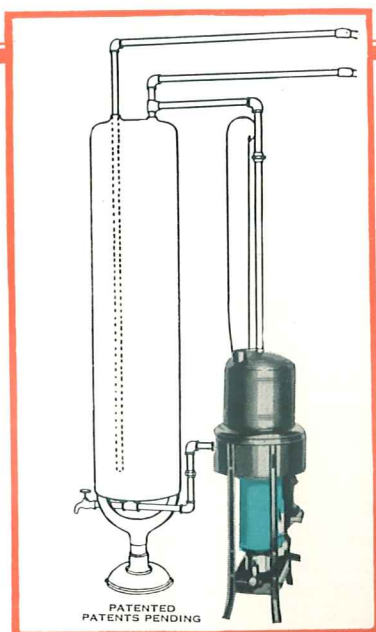
HEATER No. 412 is equipped with cast iron heating units of special design and heated by two of the latest type double-draft Blue Chimney Burners.

A heater of the same New Perfection quality as Nos. 431 and 421, but without thermostatic shut-off. It is quick to heat, simple and clean to operate, and dependable.

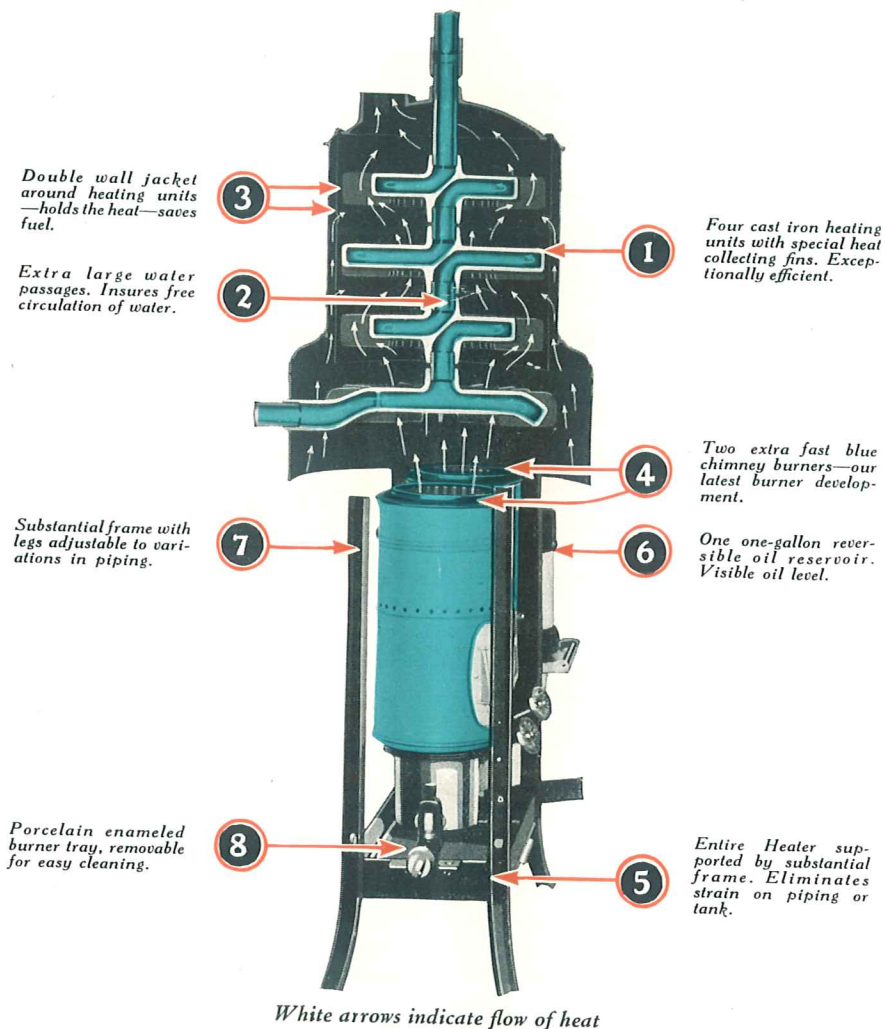
The efficiency of its cast iron heating units is increased by a large number of heat-absorbing ribs, and by a special double-wall jacket around the coils which holds the heat and prevents radiation.

This model can be installed without disturbing existing tank, range and furnace connections.

*New Perfection Heater No. 412,
attached to tank. The tank is extra.*



Important Advantages of Heater No. 412



HERE is a heater that is without equal in the popular-priced field. It is clean, simple to operate and dependable.

The jacket, base and standard are black japanned—New Perfection Extra Fast Blue Chimney Burners.

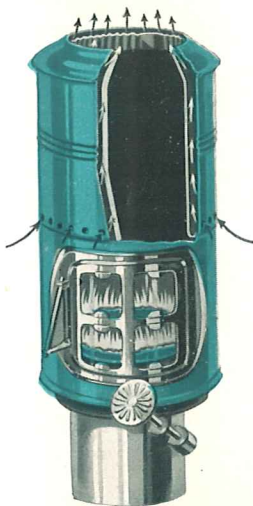
For weights, dimensions, etc., of Heater No. 412 see page 24

The World's Most Popular Oil Burners

NEW Perfection Blue Chimney Burners are giving daily satisfaction in four and a half million homes. They have been the standard of the world for a generation.

Now, in this latest development, greater heat and fuel economy have been **added** to the dependability, cleanliness and satisfaction for which New Perfection Burners have always been famous.

The use of two of these new Double Draft Burners on Heater No. 412 provides an almost unlimited range of heat. They can be regulated from a high flame that will heat a tank full of water quickly, to a low flame in one burner which keeps the water hot all day.



The New Extra Fast Blue Chimney Burners

THE remarkable increase in heat and the greater fuel economy of this new burner are due to its new double-wall, double-draft construction.

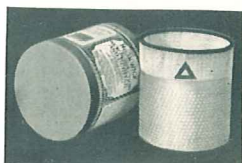
The picture shows how the **extra** volume of air drawn in through the small holes around the chimney is converted into an **added** ring of intense heat.

Wicks are Available Everywhere

THERE is an exceptionally wide distribution of New Perfection Wicks for service on New Perfection Water Heaters and Oil Cook Stoves. Every purchaser of a New Perfection Water Heater will benefit by this unparalleled service. New Perfection Wicks are easy to put in, clean burning and long lived.

The Giant Superfex Wick No. 441 is used in Heaters No. 431 and 421.

The Standard Blue Chimney Wick No. 331 is used in Heater No. 412.



Wick No.
331
For Blue
Chimney
Burners

Wick No.
441
For Giant
Superfex
Burners



Directions for Operating

Complete instructions for installing and operating New Perfection Water Heaters are furnished with every heater.



The CLEVELAND METAL PRODUCTS Co.

Factories and General Offices
CLEVELAND, OHIO, U. S. A.

World's largest maker of oil-burning devices, including the famous New Perfection Oil Cook Stoves, Ranges and Ovens, Perfection Oil Heaters and Puritan "Short Chimney" Oil Stoves



What a difference
Running
HOT WATER
Makes!



WEIGHTS and DIMENSIONS of NEW PERFECTION Water Heaters

Model No. 431	ASSEMBLED		
	Width, Overall, Inches	.....	30 ⁷ / ₈
	Depth, " "	.....	18 ³ / ₁₆
	Height, " "	.....	66 ³ / ₈
	Net Weight, Pounds	.....	238

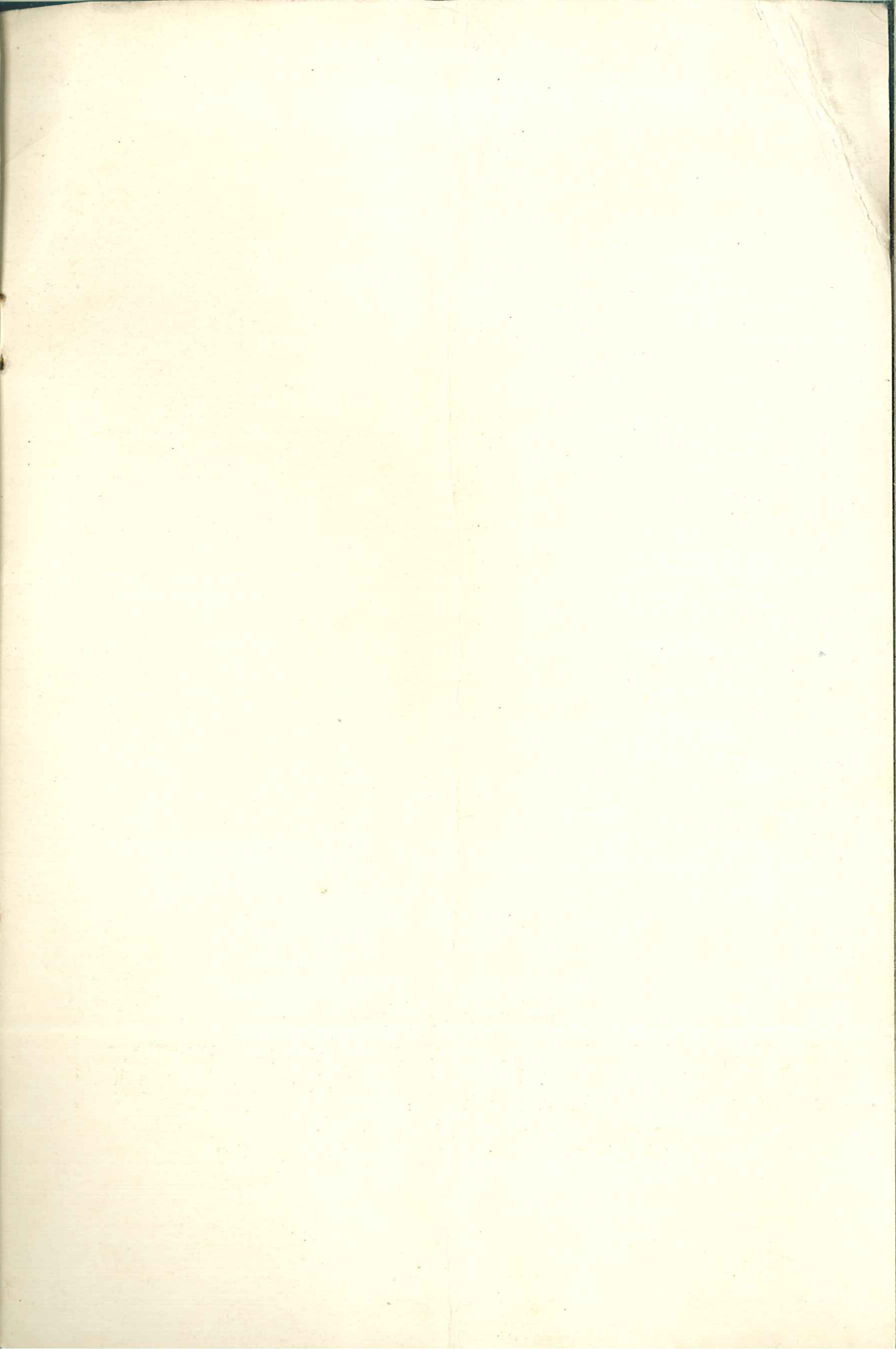
CRATED		
Width, Overall, Inches	69	Shipping Weight
Depth, " "	21 ³ / ₈	Pounds.....325
Height, " "	32 ³ / ₈	Cubic Feet.....27.63
Code	Alder	

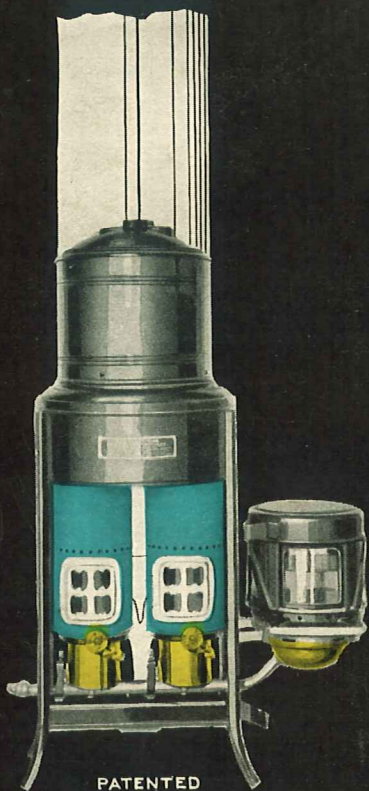
Model No. 421	ASSEMBLED		
	Width, Overall, Inches	.....	27 ¹ / ₄
	Depth, " "	.....	11 ³ / ₄
	Height, " "	.....	43
	Net Weight, Pounds	.....	62 ¹ / ₂

CRATED		
Width, Overall, Inches	44 ³ / ₄	Shipping Weight,
Depth " "	29 ¹ / ₄	Pounds.....89
Height, " "	13 ¹ / ₂	Cubic Feet .....10.22
Code	Arbutus	

Model No. 412	ASSEMBLED		
	Width, Overall, Inches	.....	23
	Depth, " "	.....	13 ¹ / ₈
	Height, " "	.....	35 ³ / ₄
	Net Weight, Pounds	.....	62 ³ / ₄

CRATED		
Width, Overall, Inches	37 ³ / ₄	Shipping Weight,
Depth, " "	15 ¹ / ₄	Pounds.....86
Height, " "	25	Cubic Feet .....8.32
Code	Ash	





PATENTED
PATENTS PENDING
HEATER NO. 412



PATENTED
PATENTS PENDING
HEATER NO. 421

The New Line of
NEW PERFECTION
Kerosene Water Heaters